

**SECRET**

13 February 1956

CMCC Doc. No. 151.811

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Dear George:

It is probable that you may wish to place orders for the 1/2 mil Mylar base magnetic recording tape directly with the manufacturer of this material, and it is the purpose of this note to provide information concerning the manufacturer's address and the specifications that have been developed for the tape.

25X1A

The tape is produced by Audio Devices, Inc., whose address is 25 Parker Avenue, Glenbrook, Connecticut. Apparently [REDACTED] has handled some of our direct contacts with the company.

25X1A

The tape was originally prepared to our Specification No. 112. It may now be secured by ordering from Audio Devices stock No. HCLP-.3-250. A complete set of specifications for this tape is attached. The cost of the tape is \$38.17 per reel of 6500 feet.

The number of reels of tape required for any given operational period may be estimated as being equal to the number of operational flights anticipated during that period plus an amount sufficient to meet ground maintenance and testing requirements. All orders placed heretofore have specified that each reel shall contain a minimum of 6500 feet of tape, this length being sufficient for nine hours and 35 minutes of continuous recording.

Sincerely,

Burt

Burt

DOCUMENT NO. 2
NO CHANGE IN CLASS. X
CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE: 2012
AUTH: HR 702
REVIEWER: 010956

Enclosure:

Specification for HCLP-.3-250

cc: Harry

P. S. Information just received indicates that Audio Devices would like to produce the tape in lots of 40 reels each.

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will process then
normal agency channel for
stock & for project
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AUDIOTAPE HCLP-.3-250

Base Thickness (Mylar 50)	.0004" Minimum
Over-all Thickness	.0006" Maximum
Width	.247 plus or minus .0015"
Length	6500' plus 50' minus 0'
Tensile	3 lbs. Minimum
Quality	"EP"
Coercive Force	280 - 310 Oersteds
Signal-to-Noise Ratio	55 db Minimum
Saturated Signal-to-Noise Ratio	58 db Minimum
Print-Thru Ratio	50 db Minimum
Uniformity at any level	
Reel-to-Reel	7.5 mil Wavelength - plus or minus 1 db
	.5 mil Wavelength - plus or minus 2 db
Within a Reel	7.5 mil Wavelength - plus or minus .5 db
	.5 mil Wavelength - plus or minus 1 db
Splices	As few as possible (preferably less than 5)
Reel	10-1/2 Fibreglas
Operating Temperature	-55° F to 180° F